

## **AMENDMENTS TO THE CLAIMS**

The following listing of claims will replace all prior versions and listings of claims in the application.

### **LISTING OF CLAIMS**

1. (Currently Amended) A monolithic resurfacing implant comprising:  
a head having:  
a hemispherical exterior articulating surface;  
a concave interior surface opposite said exterior articulating surface;  
an integral straight anchoring device having a textured outer surface configured to be directly coupled to bone, said anchoring device extending from said interior surface and being integral with the interior surface; and  
an extended articulating surface protruding from a portion of said hemispherical exterior articulating surface operable to articulate with at least one of a bone and a ligament, said extended articulating surface having at least one planar second interior surface.
2. (Currently Amended) The implant of Claim 1, wherein said extended articulating surface articulates with at least one element of ~~[[an]]~~ a coracoacromial arch.
3. (Original) The implant of Claim 1, wherein said implant is comprised of at least one of cobalt chrome, titanium, and a biocompatible material.

4. (Cancelled)

5. (Original) The implant of Claim 1, wherein said anchoring device is a short stem having flutes.

6. (Original) The implant of Claim 1, wherein said anchoring device includes a first end proximate to said head and a second end distal to said head, said second end having a diameter that is smaller than said first end.

7. (Original) The implant of Claim 1, wherein said anchoring device includes a blasted finish.

8. (Original) The implant of Claim 1, wherein said extended articulating surface includes an outer surface that is substantially flush with said exterior articulating surface.

9. (Original) The implant of Claim 8, wherein said extended articulating surface includes a step.

10. (Original) The implant of Claim 8, wherein said extended articulating surface is located in a lateral region of said head when implanted in a patient.

11. (Original) The implant of Claim 8, wherein said extended articulating surface has a planar "V" shaped inner surface.

12. (Original) The implant of Claim 1, wherein said extended articulating surface is planar.

13. (Currently Amended) A monolithic humeral head resurfacing implant comprising:

a humeral head having a hemispherical articulating surface and a concave coupling surface;

an integral engagement stem configured to be directly coupled to bone, said stem extending from said head, said stem being integral with the concave coupling surface; and

a flange extended surface protruding from said hemispherical articulating surface operable to articulate with at least one element of a coracoacromial arch, said flange having ~~[[a]]~~ at least two planar ~~"V" shaped inner surface~~ surfaces configured to prevent rotation of the head about an axis defining the hemispherical articulating surface.

14. (Original) The implant of Claim 13, wherein said engagement stem further comprises flutes.

15. (Original) The implant of Claim 13, wherein said engagement stem is tapered.

16. (Cancelled)

17. (Original) The implant of Claim 13, wherein said extended surface is positioned at a lateral region of the implant when implanted in a patient.

18. (Cancelled)

19. (Currently Amended) A method for resurfacing a humeral head of an implant site, the method comprising:

resurfacing the humeral head so as to remove a portion of the humeral head leaving a resurfaced surface;

resecting a portion of the humeral head so as to form at least one planar surface;

positioning a resurfacing humeral head implant on the resurfaced surface of the humeral head; and

positioning an extended articulating surface of the resurfacing humeral head implant in a lateral region of the humeral head so as to articulate with at least one of a bone and a ligament and interface with the planar surface.

20. (Original) The method of Claim 19, wherein said resurfacing step comprises resecting a portion of the humeral head to receive the extended articulating surface.

21. (Original) The method of Claim 20, wherein said resurfacing step comprises resecting a portion of the humeral head to form a step region operable to receive the extended articulating surface.

22. (Original) The method of Claim 20, wherein said resurfacing step comprises resecting a portion of the humeral head to form a "V" shaped surface operable to receive the extended articulating surface.

23. (Cancelled)

24. (Currently Amended) The method of Claim 19, wherein said ~~preparing step~~ resurfacing the humeral head comprises forming a hole only within the humeral head, the hole operable to receive a short stem of the implant.

25. (Cancelled)